

Work Order ID 137521

Monday, October 05, 2015 11:14:09 AM

137521

Page 1

Item ID: D4287-3 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Uhmw U-Channel
 Start Date: 10/5/2015 Start Qty: ~~20.00~~ **24** **OCT 07 2015**
 Required Date: 10/5/2015 Req'd Qty: ~~20.00~~ ***20*** **CZ**
 Reference: Cust Item ID:
 Customer:

Approvals: Process Plan: MJS Date: OCT 05 2015 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4287	A

100 0.00

100 CZ OCT 07 2015 24

Purchasing Memo 0.00
 Purchasing Issue P/O: 30052
 Material: UHMW (white)
 Supplier P#: McMaster-Carr 8672K31
 Material release note required

110 Receive & Inspect for Damage & Mat'l Certs 0.00

110 24 OCT 13 2014

Packaging Memo 0.01

120 QC6- Inspect dimensions to drawing 0.00

120 24 OCT 13 2015

QC Memo 0.00

Quality Control

Work Order ID 137521***137521***

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Monday, October 05, 2015 11:14:09 AM

Item ID: D4287-3

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Uhmw U-Channel

Start Date: 10/5/2015 Start Qty: 20.00

20

Cust Item ID:

Required Date: 10/5/2015 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location <u>St 479A</u>	0.00							
130							DAS 6 9-89		
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.03							
Quality Control									

MLJ OCT 14 2015MLJ OCT 14 2015

Monday, October 05, 2015 11:14:13 AM

Page 1

137521

D4287-3

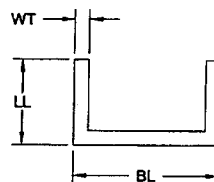
Required Date: 10/5/2015

Required Qty: 20.00

Comments: IPP Rev:A 10.11.15 new issue DD Verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
8672K31		Purchased	No			110	f	0.0000	1	20			
8672K31									**	24		DAS 8 8-88	15-10-13
UHMW U-Channel													

SPECIFICATION CONTROL DRAWING



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 137521 MJS
1510-05

D4287-X UHMW U-CHANNEL

DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	PURCHASED LENGTH	BASE LENGTH (BL)	LEG LENGTH (LL)	WALL THICKNESS (WT)	WEIGHT (lbs)
D4287-1	McMASTER-CARR	9928K53	UHMW (WHITE)	96.0	1.05	0.75	0.250	2.11
D4287-3	McMASTER-CARR	8672K31	UHMW (WHITE)	96.0	1.25	0.75	0.125	1.29

RELEASED
2010-11-03
JWP

NOTES:

- 1) MATERIAL: PURCHASE PER TABLE OR UHMW BLACK TIVAR 1000 VIRGIN MATERIAL REF. DART SPEC. MUHMW
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: NONE
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: PER TABLE

A	NEW ISSUE	MB	10.10.26
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.10.26		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **DSC-D4287** REV. A
SHEET 1 OF 1

TITLE **UHMW U-CHANNEL** SCALE NTS

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO30052

Purchase Order Date 10/7/2015

PO Print Date 10/7/2015

Page Number 1 of 5

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 10

Currency USD

FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	8672K31 AS PER DWG D4287 REV. A B137521	UHMW U-Channel	10/9/2015 Yes 10/9/2015		24.00 f	\$3.26	\$78.24
Line Total:							\$78.24
2	7130K41 AS PER DWG D3599 REV. A B137513 1 PK OF 100 PCS	TIE WRAP	10/9/2015 Yes 10/9/2015		100.00 Each <i>10/9/15</i>	\$0.04	\$4.09
Line Total:							\$4.09

Note:

10/7/2015



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Page Number 2 of 5

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
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CANADA

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Ship Via: Purolator ground ppd

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Buyer

Chantal Lavoie

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Customer Tax # 10127-2607

Terms

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Currency

USD

FOB

FCA - (Free Carrier)

3	7566K25	TIE WRAP MOUNT	10/9/2015	50.00		\$0.16	\$8.12
			Yes	Each			
			10/9/2015				

AS PER DWG D3600 REV.A
B137520

Line Total: \$8.12

4	71500-30	85205A68 MIC	10/9/2015	1.00		\$159.02	\$159.02
			Yes	Each			
			10/9/2015				

Line Total: \$159.02

Deliver To: JEAN-LUC

5	71400-65	9552T61 COMPACT PUSH CONNECTOR	10/9/2015	2.00		\$6.62	\$13.24
			Yes	Each			
			10/9/2015				

Line Total: \$13.24

Deliver To: LUC

Note:

10/7/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30052**

Purchase Order Date 10/7/2015

PO Print Date 10/7/2015

Page Number 3 of 5

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

6	71550-15	8491A712 DRILL BUSHING	10/9/2015	6.00	✓	\$5.89	\$35.34
			Yes	Each			
			10/9/2015				

Line Total: \$35.34

Deliver To: DAVID.D

7	71500-30	8803A41 REAMER .2660"	10/9/2015	1.00	✓	\$24.79	\$24.79
			Yes	Each			
			10/9/2015				

Line Total: \$24.79

Deliver To: CNC

8	71500-30	8324A79 REAMER .2520"	10/9/2015	2.00	✓	\$39.68	\$79.36
			Yes	Each			
			10/9/2015				

Line Total: \$79.36

Deliver To: CNC

Note:

10/7/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30052**

Purchase Order Date 10/7/2015

PO Print Date 10/7/2015

Page Number 4 of 5

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

9	71500-30	91732A216 HELICOILS 1/2-13NC	10/9/2015	3.00	Yes	Each	\$5.52	\$16.56
			10/9/2015					

Line Total: \$16.56

Deliver To: CNC

10	71475-45	8953T6 BARRIER CHAIN 25 FT YELLOW	10/9/2015	1.00	Yes	Each	\$27.75	\$27.75
			10/9/2015					

Line Total: \$27.75

Deliver To: LUC

11	71475-45	97110A222 CONCRETE ANCHORS	10/9/2015	50.00	Yes	Each	\$0.88	\$44.00
			10/9/2015					

Line Total: \$44.00

Deliver To: LUC

Note:

10/7/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30052**

Purchase Order Date 10/7/2015

PO Print Date 10/7/2015

Page Number 5 of 5

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

12	71500-10	8803A65 REAMER 0.445"	10/9/2015	2.00	\$33.24	\$66.48
			Yes	Each		
			10/9/2015			

Line Total: \$66.48

Deliver To: DAN.P

13	71401-45	PROCUREMENT QUALITY CLAUSES	10/9/2015	1.00	\$0.00	\$0.00
			Yes			
			10/9/2015			

PROCUREMENT QUALITY CLAUSES

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A025 CERTIFICATE OF CONFORMANCE

A040 NOTIFICATION OF QUALITY ESCAPE

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

Line Total: \$0.00

PO Total: \$556.99

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 10/7/2015

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO30052

Order Placed By
Chantal Lavoie

McMaster-Carr Number
1720954-01

Page 1 of 1

10/07/2015

Line	Product	Ordered	Shipped
6	8491A712 Press-Fit Drill Bushing, 0.1875" (3/16") ID, 13/32" OD, 1/4" Length	6 Each	3

Shipped separately from our Cleveland warehouse on 10/07

1	8672K31 UHMW Polyethylene Trim, Screw Mount, U-Shape, 1" Inside Width	24 Feet	24
2	7130K41 Nylon Cable Tie, 6" LG, 1-1/2" Bundle Diameter, 10 lb Break Strength, White	1 Pack	1
3	7566K25 Cable Tie Mount, Adhesive/Fastener Mount, 4 Way, 0.21" Tie WD. , White	1 Pack	1
4	85205A68 Mitutoyo Series 103 Micrometer, 103-218, with Ratchet, 3"-4" Range, .0001" Graduations	1 Each	1
5	9552T61 Assembled Compact Push-in Connector, with 6" Wire Leads, 3 Pole	2 Each	2
6	8491A712 Press-Fit Drill Bushing, 0.1875" (3/16") ID, 13/32" OD, 1/4" Length	6 Each	3
7	8803A41 High-Speed Steel Letter Size Chucking Reamer, Size H, .2660" Diameter, 1-1/2" Flute Length	1 Each	1
8	8324A79 Cobalt Steel Decimal Size Chucking Reamer, .2520" Diameter, 1-1/2" Flute Length, .2405" Shank	2 Each	2
9	91732A216 18-8 Stainless Steel Standard Helical Insert, 1/2"-13 Internal Thread, .75" Length, MS122125	3 Packs	3
10	8953T6 Plastic Barrier Chain, 2" L X 1-1/32" W, 1/4" Link Diameter, Yellow, 25' Length	25 Feet	25
11	97110A222 Galvanized Steel Stud Anchor for Concrete, 3/8" Diameter, 3-3/4" Length	50 Each	50
12	8803A65 High-Speed Steel Decimal Chucking Reamer, .4450" Diameter, 1-3/4" L Flute, 7" L Overall, 6 Flute	2 Each	2